Invoice

Moffatt & Nichol

P.O. Box 22648

Long Beach, CA 90801-5648
Phone: (562) 590-6500

Robert Law
De Maximis Inc.
186 Center Street, Suite 290
Clinton, NJ 08809

November 23, 2015
Invoice No: 714581

Project 6664-04 Lower Passaic River/Newark Bay Modeling

Professional Services from September 27, 2015 to October 31, 2015

LPR/NB Modeling Program NB Model of the LPR/NB

Task 01 Coordination and Meetings

Coordination and Meetings

Professional Personnel

	Hours	Rate	Amount	
Senior Engineer/Scientist				
Canizares, Rafael	16.50	209.00	3,448.50	
Engineer/Scientist II				
Mathew, Rooni	4.00	172.00	688.00	
Totals	20.50		4,136.50	
Total Labor				**4,136.50**
			Total this Task	**$4,136.50**

Task 03 System Understanding

System Understanding

Professional Personnel

	Hours	Rate	Amount	
Senior Engineer/Scientist				
Canizares, Rafael	10.00	209.00	2,090.00	
Engineer/Scientist II				
Mathew, Rooni	81.50	172.00	14,018.00	
Staff Engineer/Scientist				
Manian, Dinesh	86.00	119.00	10,234.00	
Totals	177.50		26,342.00	
Total Labor				**26,342.00**
			Total this Task	**$26,342.00**

Task 05 LPR/NB Sediment Transport Model

LPR/NB Sediment Transport Model

Professional Personnel

	Hours	Rate	Amount
Senior Engineer/Scientist			

Canizares, Rafael Engineer/Scientist II	6.00	209.00	1,254.00	
Mathew, Rooni Staff Engineer/Scientist	28.50	172.00	4,902.00	
Manian, Dinesh	60.00	119.00	7,140.00	
Totals	94.50		13,296.00	
Total Labor				**13,296.00**
			Total this Task	**$13,296.00**
			Total this Phase	**$43,774.50**

Subconsultants

Deltares				
11/20/2015	Deltares	D2995 INV#192384797	4,304.00	
11/20/2015	Deltares	D2995 INV#192384798	18,383.61	
11/20/2015	Deltares	D2995 INV#192385725	618.00	
11/20/2015	Deltares	D2995 INV#192385726	4,731.00	
	Total Consultants		**28,036.61**	**28,036.61**
			Total Subconsultants	**$28,036.61**
			TOTAL THIS INVOICE	**$71,811.11**

ACH Payment Remittance Information
Bank Account Name: Moffatt & Nichol
Bank Number: 4159349729
Routing: 121000248

Billing Backup

Monday, November 23, 2015

11:49:04 AM

Moffatt & Nichol

Invoice 714581 Dated 11/23/2015

Project 6664-04 Lower Passaic River/Newark Bay Modeling

LPR/NB Modeling Program NB Model of the LPR/NB

Task 01 Coordination and Meetings

Coordination and Meetings

Professional Personnel

			Hours	Rate	Amount	
Senior Engineer/Scientist						
1548	Canizares, Rafael	9/29/2015	2.00	209.00	418.00	
1548	Canizares, Rafael	9/30/2015	5.00	209.00	1,045.00	
1548	Canizares, Rafael	10/1/2015	1.00	209.00	209.00	
1548	Canizares, Rafael	10/5/2015	.50	209.00	104.50	
1548	Canizares, Rafael	10/6/2015	1.00	209.00	209.00	
1548	Canizares, Rafael	10/14/2015	1.00	209.00	209.00	
1548	Canizares, Rafael	10/15/2015	2.00	209.00	418.00	
1548	Canizares, Rafael	10/16/2015	2.00	209.00	418.00	
1548	Canizares, Rafael	10/30/2015	2.00	209.00	418.00	
Engineer/Scientist II						
2219	Mathew, Rooni	9/28/2015	2.00	172.00	344.00	
2219	Mathew, Rooni	10/16/2015	1.00	172.00	172.00	
2219	Mathew, Rooni	10/27/2015	1.00	172.00	172.00	
Totals			20.50		4,136.50	
Total Labor						**4,136.50**
				Total this Task		**$4,136.50**

Task 03 System Understanding

System Understanding

Professional Personnel

			Hours	Rate	Amount
Senior Engineer/Scientist					
1548	Canizares, Rafael	9/28/2015	1.00	209.00	209.00
1548	Canizares, Rafael	10/6/2015	1.00	209.00	209.00
1548	Canizares, Rafael	10/12/2015	2.00	209.00	418.00
1548	Canizares, Rafael	10/19/2015	4.00	209.00	836.00
1548	Canizares, Rafael	10/20/2015	2.00	209.00	418.00
Engineer/Scientist II					
2219	Mathew, Rooni	9/28/2015	6.00	172.00	1,032.00
2219	Mathew, Rooni	9/29/2015	5.50	172.00	946.00

Project	6664-04	Lower Passaic River/Newark Bay Modeling			Invoice	714581
2219	Mathew, Rooni	9/30/2015	8.00	172.00	1,376.00	
2219	Mathew, Rooni	10/2/2015	4.50	172.00	774.00	
2219	Mathew, Rooni	10/6/2015	4.00	172.00	688.00	
2219	Mathew, Rooni	10/7/2015	4.50	172.00	774.00	
2219	Mathew, Rooni	10/8/2015	4.50	172.00	774.00	
2219	Mathew, Rooni	10/9/2015	2.50	172.00	430.00	
2219	Mathew, Rooni	10/14/2015	3.00	172.00	516.00	
2219	Mathew, Rooni	10/15/2015	3.50	172.00	602.00	
2219	Mathew, Rooni	10/16/2015	3.50	172.00	602.00	
2219	Mathew, Rooni	10/21/2015	4.00	172.00	688.00	
2219	Mathew, Rooni	10/22/2015	1.50	172.00	258.00	
2219	Mathew, Rooni	10/23/2015	5.50	172.00	946.00	
2219	Mathew, Rooni	10/27/2015	7.00	172.00	1,204.00	
2219	Mathew, Rooni	10/28/2015	8.00	172.00	1,376.00	
2219	Mathew, Rooni	10/30/2015	6.00	172.00	1,032.00	
Staff Engineer/Scientist						
2301	Manian, Dinesh	9/30/2015	8.00	119.00	952.00	
2301	Manian, Dinesh	10/1/2015	8.00	119.00	952.00	
2301	Manian, Dinesh	10/5/2015	8.00	119.00	952.00	
2301	Manian, Dinesh	10/6/2015	8.00	119.00	952.00	
2301	Manian, Dinesh	10/13/2015	1.00	119.00	119.00	
2301	Manian, Dinesh	10/14/2015	8.00	119.00	952.00	
2301	Manian, Dinesh	10/19/2015	8.00	119.00	952.00	
2301	Manian, Dinesh	10/20/2015	8.00	119.00	952.00	
2301	Manian, Dinesh	10/23/2015	7.00	119.00	833.00	
2301	Manian, Dinesh	10/26/2015	8.00	119.00	952.00	
2301	Manian, Dinesh	10/27/2015	4.00	119.00	476.00	
2301	Manian, Dinesh	10/28/2015	2.00	119.00	238.00	
2301	Manian, Dinesh	10/29/2015	8.00	119.00	952.00	
Totals			177.50		26,342.00	
Total Labor						**26,342.00**
				Total this Task		**$26,342.00**

Task 05 LPR/NB Sediment Transport Model

LPR/NB Sediment Transport Model

Professional Personnel

			Hours	**Rate**	**Amount**
Senior Engineer/Scientist					
1548	Canizares, Rafael	9/28/2015	2.00	209.00	418.00
1548	Canizares, Rafael	9/30/2015	2.00	209.00	418.00
1548	Canizares, Rafael	10/1/2015	1.00	209.00	209.00
1548	Canizares, Rafael	10/15/2015	1.00	209.00	209.00
Engineer/Scientist II					
2219	Mathew, Rooni	9/29/2015	2.50	172.00	430.00
2219	Mathew, Rooni	10/1/2015	1.00	172.00	172.00
2219	Mathew, Rooni	10/2/2015	3.00	172.00	516.00
2219	Mathew, Rooni	10/5/2015	3.00	172.00	516.00
2219	Mathew, Rooni	10/6/2015	2.00	172.00	344.00

Project	6664-04	Lower Passaic River/Newark Bay Modeling			Invoice	714581
2219	Mathew, Rooni	10/7/2015	1.00	172.00	172.00	
2219	Mathew, Rooni	10/9/2015	1.00	172.00	172.00	
2219	Mathew, Rooni	10/12/2015	4.00	172.00	688.00	
2219	Mathew, Rooni	10/13/2015	2.50	172.00	430.00	
2219	Mathew, Rooni	10/22/2015	2.50	172.00	430.00	
2219	Mathew, Rooni	10/26/2015	4.00	172.00	688.00	
2219	Mathew, Rooni	10/30/2015	2.00	172.00	344.00	
Staff Engineer/Scientist						
2301	Manian, Dinesh	9/28/2015	8.00	119.00	952.00	
2301	Manian, Dinesh	9/29/2015	8.00	119.00	952.00	
2301	Manian, Dinesh	10/2/2015	8.00	119.00	952.00	
2301	Manian, Dinesh	10/15/2015	3.00	119.00	357.00	
2301	Manian, Dinesh	10/16/2015	7.00	119.00	833.00	
2301	Manian, Dinesh	10/21/2015	8.00	119.00	952.00	
2301	Manian, Dinesh	10/22/2015	6.00	119.00	714.00	
2301	Manian, Dinesh	10/28/2015	4.00	119.00	476.00	
2301	Manian, Dinesh	10/30/2015	8.00	119.00	952.00	
Totals			94.50		13,296.00	
Total Labor						**13,296.00**
					Total this Task	**$13,296.00**
					Total this Phase	**$43,774.50**

Subconsultants

Deltares !					
AP	224366	11/20/2015	Deltares / Invoice: 192384797, 9/3/2015	4,304.00	
AP	224367	11/20/2015	Deltares / Invoice: 192384798, 9/3/2015	18,383.61	
AP	224368	11/20/2015	Deltares / Invoice: 192385725, 11/13/2015	618.00	
AP	224369	11/20/2015	Deltares / Invoice: 192385726, 11/13/2015	4,731.00	
		Total Consultants		**28,036.61**	**28,036.61**
				Total Subconsultants	**$28,036.61**
				Total this Project	**$71,811.11**
				Total this Report	**$71,811.11**

MOFFATT & NICHOL

529 5th Avenue
14th floor
New York, NY 10017

(212) 768-7454
Fax (212) 768-7936

Detailed Description of work done by M&N personnel associated to the LPR/NB Modeling Program HD/ST Newark Bay Model - Scope of Work for the period 09/27/2015 to 10/31/2015 M&N Project No. 6664

Hydrodynamics Principal Investigator - Rafael Cañizares.

Task 1 – Project Management	• Internal coordination with Deltares and M&N, tasks to be completed • Prepare and review August invoice • Internal project accounting. • Prepare status of work for Project Coordinator • Review SOW and additional tasks from AQEA for NB tasks coordination • Internal coordination, Review of final calibration and other modeling developments.
Task 3 – LPR/NB System Understanding	• Review System understanding document • Review of System understanding draft report • Discussion and follow up with System understanding • Review System understanding report and references
Task 5 – LPR/NB Sediment Transport Modeling	• Discussion on sediment model including wave shear stresses • Review sediment model results

Rooni Mathew.

Task 1 – Project Management	• Discuss HD model grid issues with HQI, review temporary results in Meadowlands. • Review requests from AQEA, Develop coordination effort estimate • Respond to AQEA questions
Task 3 – System Understanding	• Perform re-entrainment rate analysis w PWCM data • Develop Spring PWCM flux-discharge plots and review model performance • Develop/review Spring and Chant solids exchange between NB and HR, develop calibration metrics • Data analysis for Ws (settling velocity) in NB • Data analysis for fluff layer erosion props in NB • Review ship traffic info in NB, develop conceptual approach for navigation scour in NB • Review data for settling velocity and ship traffic info • Data analysis for fluff layer re-entrainment

	• Review Han Winterwerp system understanding report and develop list of tasks/figures • Develop Spring PWCM flux tabulations, review/discuss settling velocity and ship traffic data analysis • Data analysis to quantify Chant/PWCM solids load and physical dependencies
Task 5 – LPR/NB Sediment Transport Modeling	• Review results from ST run with revision of Hackensack River/Meadowlands geometry & bed friction, launch ST run with revision of Hackensack River/Meadowlands geometry & bed friction and waves • Develop sensitivity run with more erodible fluff/transition layers in NB • Process output from sensitivity run with more erodible fluff layer, compare SSC to base run, develop sensitivity with lower Ws in southern NB • Process/review sensitivity runs with more erodible fluff and lower Ws in NB shipping channels, review HQI HD model setup and develop runs to compare with calibration metrics • Process/review sensitivity runs with more erodible fluff and lower Ws in NB shipping channels • Review model sensitivity to Ws in NB shipping channels • Process/review sensitivity runs with more erodible fluff and lower Ws in NB shipping channels • Review performance of model sensitivity runs to fluff erosion and settling velocity, develop plan for model calibration/data analysis • Review model sensitivity results with respect to fluff layer erodibility • Develop solids fluxes, review run with HQI Hackensack setup • Review performance of HQI setup for Hackensack-NB exchange

Dinesh Manian

Task 3 – System Understanding	• Debugging long-term full-grid HD model simulations (used to setup revised boundary conditions) • Processing wave and related shear-stress probability distributions in different parts of Newark Bay; comparison of wave-predictions with fetch-limited estimates • Assessing HQI model: Setting up HD runs based on model setups received from HQI; Additional model-data comparison • Model-data comparisons with HQI setups; Processing long-term full-grid HD runs with new bathy to create new truncated

	model inputs • Processing phase-difference time-series plots for HD model to compare with data • Analysis of settling velocity in Newark Bay using PWCM data • Settling velocity analysis in Newark Bay based on Spring PWCM data • Analysis of ship traffic data in Newark Bay to understand its impact on vertical mixing • Updating figures for the system understanding document; Analyzing vertical profiles of SSC at various NB locations; • Hackensack exchange: Debugging HQI's setup • Hackensack exchange: Debugging HQI's setup; Relaunching simulation with correct configuration; • Assessing influence of Ship traffic on vertical sediment profile: Processing ship traffic density of all vessel types • Settling velocity analysis of Spring 2010 PWCM data at LPR and NB locations; Processing Rouse profiles
Task 5 – LPR/NB Sediment Transport Modeling	• Processing flow model results for WY 2008-2013 simulation; Model-data comparisons of velocities, temperature, salinity, tidal phase and volume of exchange • ST model with waves: Model-data comparison for TSS in Newark Bay and the Kills during PWCM and Chant's data; processing bed mechanics and evolution • Updated ST sediment model mass-balance analysis • Setting up model-data comparisons in Newark Bay for ST calibration runs; • Setting up model-data comparisons in Newark Bay for ST calibration runs; • Processing Newark Bay sensitivity runs • Setting up additional sensitivity runs to settling velocity based on data analysis • Setting up elevation/T-S boundary conditions using updated full-grid results with new Hackensack configuration • Processing model-data comparisons: Slack Water timing difference, and velocity and TSS time-series during Spring PWCM

Deltares

Enabling Delta Life

Moffatt & Nichol
Attn. Mister R. Cañizares
104 West 40th Street, 14th Floor
10018 NEW YORK
VERENIGDE STATEN

APPROVED FOR PAYMENT
MOFFATT & NICHOL
BY RC DATE 11/20/2015
JOB# 6664-04 XX

Date	Our reference	Number of pages
1 September 2015	1002308-000-ZKS-0095	2
From	**Direct line**	**E-mail**
Arno Nolte	+31 (0)15 28 58 430	arno.nolte@deltares.nl

Subject
Deltares support - April - August 2015 invoicing

Dear Mr Cañizares,

With reference to the sub-contractor agreement between Moffatt & Nichol and Deltares for the Lower Passaic River restoration project (your project reference 6664), please find below our invoice for Deltares support for the months April until August 2015.

Invoicing is done per authorized activity. The 2015 rate for Mr Nolte, Mr Kuijper and Mr Sittoni is US$ 206, for Mr Santinelli US$ 169 and for Mr Cado van der Lelij US$ 134. The total for this invoice is US$ 4,304.00.

The work undertaken per activity is as detailed in the table below:

Contribution to Newark Bay Task 3 – System Understanding: • Supporting Mr Winterwerp in preparation of the Newark Bay report in particular visualization of data and figure preparation • Administrative tasks (i.e. project management, support, invoicing – Nolte)
Contribution to Newark Bay Task 5 – Sediment Transport Modeling *No work undertaken in this period*
Contribution to Newark Bay Task 6 – NB HD and ST model development and Calibration report *No work undertaken in this period*

Deltares

Enabling Delta Life

Date	Our reference	Page
1 September 2015	1002308-000-ZKS-0095	2/2

Activity	Name	week	hours	hourly rate	Costs per activity	status
Contribution to Newark Bay Task 3 - System Understanding	Nolte	18	2.0	$206	$412.00	
	Nolte	35	2.0	$206	$412.00	
	Santinelli	20	2.0	$169	$338.00	
	Sittoni	30	5.0	$206	$1,030.00	
	Sittoni	31	3.0	$206	$618.00	
	Sittoni	33	4.0	$206	$824.00	
	Cado van der Lelij	30	4.0	$134	$536.00	
	Cado van der Lelij	33	1.0	$134	$134.00	
			23.0	*Subtotal*	*$4,304.00*	
Contribution to Newark Bay Task 5 - Sediment Transport modeling						
			0.0	*Subtotal*	*$0.00*	
Contribution to Newark Bay Task 6 - NB HD and ST model development and					$0.00	
			0.0	*Subtotal*	*$0.00*	
Grand total			23.0		$4,304.00	

Yours sincerely,

F.M.J. Hoozemans
Director Marine and Coastal Systems

Invoice

Deltares
Enabling Delta Life

Moffatt & Nichol
Attn. Accounts Payable
104 West 40th Street 14th Floor
NEW YORK NY 10018
UNITED STATES

Stichting Deltares
P.O. Box 177
2600 MH DELFT
Boussinesqweg 1
2629 HV DELFT
The Netherlands
Tel.:+31 88 335 82 73
Fax :+31 88 335 85 82
info@deltares.nl
www.deltares.nl

Invoice date	Invoice number	Our reference	Client number
03-09-2015	192384797	1002308.014	101419

Project Leader
Nolte, A.J.

Client VAT number

Project name: **US, Passaic invoices USD**

Description	Quantity	Price	Amount
Project: Lower Passaic River/Newark Bay Modelling.			
Deltares activities/support April untill August 2015			4.304,00
	Invoice amount	**USD**	**4.304,00**

Please make our invoice payable to our bankaccount before 03-11-2015
Please mention the invoice number, reference and client number.

VAT specification:

VAT rate	Amount	VAT
OUTSIDE EU 0%	4.304,00	0,00
Total VAT	4.304,00	0,00

Payment terms:	60 days net
IBAN-code:	NL11RABO0154142557, attn. stichting Deltares
Bank:	Rabobank Zuid-Holland Midden (BICno. RABONL2U)
VAT number:	NL800097476B01

No Dutch VAT is applicable as place of supply is abroad.

Deltares

Enabling Delta Life

Moffatt & Nichol
Attn. Mister R. Cañizares
104 West 40th Street, 14th Floor
10018 NEW YORK
VERENIGDE STATEN

APPROVED FOR PAYMENT
MOFFATT & NICHOL
BY RC DATE 11/20/2015
JOB# 6664-04 XX

Date	Our reference	Number of pages
1 September 2015	1002308-000-ZKS-0094	2
From	**Direct line**	**E-mail**
Arno Nolte	+31 (0)15 28 58 430	arno.nolte@deltares.nl

Subject
Deltares secondment - Invoicing for April - August 2015

Dear Mr Cañizares,

With reference to the secondment agreement between Moffatt & Nichol and Deltares for the services of Mr Han Winterwerp, please find below our invoice for the months April to August 2015.

During this period, Mr Winterwerp and Mr Postma have been requested by Moffatt & Nichol to contribute to the Lower Passaic River RI/FS study. No requests were received for other projects.

Invoicing is done per authorized activity. The rate for Mr Winterwerp is $249 per hour for 2015. The total for this invoice is US$ 18,383.61.

The work undertaken per activity is as detailed in the table below:

Contribution to Newark Bay Task 3 – System Understanding: • Visit to New York (week 17, 2015) • Newark Bay reporting
Contribution to Newark Bay Task 5 – Sediment Transport Modeling: • Travel costs for ticket ($2179.01), Hotel ($466.04), DSA ($385.56) and miscellaneous ($39.50)
Contribution to Newark Bay Task 6 – NB HD and ST model development and Calibration report: *No work undertaken in this period*

Deltares

Enabling Delta Life

Date	Our reference	Page
1 September 2015	1002308-000-ZKS-0094	2/2

Activity	Name	week	hours	hourly rate	Costs per activity	status
Contribution to Newark Bay Task 3 - System Understanding	Winterwerp	12	1.0	$249	$249.00	
	Winterwerp	16	5.0	$249	$1,245.00	
	Winterwerp	17	17.0	$249	$4,233.00	
	Winterwerp	29	12.0	$249	$2,988.00	
	Winterwerp	30	14.5	$249	$3,610.50	
	Winterwerp	31	4.0	$249	$996.00	
	Winterwerp	33	8.0	$249	$1,992.00	
			61.5	*Subtotal*	*$15,313.50*	
Contribution to Newark Bay Task 5 - Sediment Transport modeling					$0.00	
Material costs (ticket, hotel, DSA-UNDP)					$3,070.11	
			0.0	*Subtotal*	*$3,070.11*	
Contribution to Newark Bay Task 6 - NB HD and ST model development and Calibration report					$0.00	
			0.0	*Subtotal*	*$0.00*	
Grand total			61.5		$18,383.61	

Yours sincerely,

F.M.J. Hoozemans
Director Marine and Coastal Systems

Invoice

Deltares
Enabling Delta Life

Moffatt & Nichol
Attn. Accounts Payable
104 West 40th Street 14th Floor
NEW YORK NY 10018
UNITED STATES

Stichting Deltares
P.O. Box 177
2600 MH DELFT
Boussinesqweg 1
2629 HV DELFT
The Netherlands
Tel.:+31 88 335 82 73
Fax :+31 88 335 85 82
info@deltares.nl
www.deltares.nl

Invoice date	Invoice number	Our reference	Client number
03-09-2015	192384798	1002308.014	101419

Project Leader
Nolte, A.J.

Client VAT number

Project name: **US, Passaic invoices USD**

Description	Quantity	Price	Amount
Secondment Agreement Deltares.			
Invoice for the services conducted by Mr. Winterwerp, August 2014 until August 2015 .			18.383,61
	Invoice amount	**USD**	**18.383,61**

Please make our invoice payable to our bankaccount before 03-11-2015
Please mention the invoice number, reference and client number.

VAT specification:

VAT rate	Amount	VAT
OUTSIDE EU 0%	18.383,61	0,00
Total VAT	18.383,61	0,00

Payment terms:	60 days net
IBAN-code:	NL11RABO0154142557, attn. stichting Deltares
Bank:	Rabobank Zuid-Holland Midden (BICno. RABONL2U)
VAT number:	NL800097476B01

No Dutch VAT is applicable as place of supply is abroad.

BCD Travel Nederland B.V.
Central Ticketing&Support Services
Europalaan 400
3526 KS UTRECHT

phone
fax
e-mail cfc-noreply@bcdtravel.nl
internet www.bcdtravel.nl
Kantoor: 81

Vestigingsadres:
Deltares ZKS
Rotterdamseweg 185
2629 HD Delft

BCD Travel Nederland B.V - Europalaan 400 - 3526 KS UTRECHT

DELTARES ZKS
T.A.V.: MEVROUW B.M. MEYER
POSTBUS 177
2600 MH DELFT

Factuur

Datum: 22.03.2015
Dossier: 803064483
Bedrijfsnr: 30070084

Factuur nr: 3436533

Order datum: 13.03.2015
Reisagent: 9999AA
Pagina: 1 van 6

Dossier	Passagier	Department	Cost Center	Project number	Employee number	Order reference	NETTO	BTW	BRUTO
803064483	NAUTA/TJITTEMR					1003007	1014,19	3,46	1017,65
Dossier nbr.	803064483	Vertrekdatum:10.04.2015					1014,19	3,46	1017,65
803066052	WINTERWERP/JOHANMR					1002308 016	1736,94	6,27	1743,21
Dossier nbr.	803066052	Vertrekdatum:21.04.2015					1736,94	6,27	1743,21
803067501	VANDERSPEK/ADAMMR					1208140 005	1737,60	6,27	1743,87
Dossier nbr.	803067501	Vertrekdatum:03.05.2015					1737,60	6,27	1743,87
803069414	HENDRIKSEN/GERRITMR					1207298	209,13	0,01	209,14
Dossier nbr.	803069414	Vertrekdatum:25.04.2015					209,13	0,01	209,14

BTW in naam en voor rekening van de dienstverlener.

Totaal bedrag: 4713,87

BTW %	Netto bedrag	BTW bedrag
21 %	76,27 EUR	16,01 EUR
19 %	0,00 EUR	0,00 EUR
6 %	0,00 EUR	0,00 EUR
0 %	4.621,59 EUR	0,00 EUR

Betalingsdetails:

Betalingswijze:	Credit card nr:	Betaald via:	Datum:	
American Express	375390XXXXX1005	Leverancier	13.03.2015	-945,27 EUR
American Express	375390XXXXX1005	BCD	22.03.2015	-2,21 EUR
American Express	375390XXXXX1005	BCD	22.03.2015	-18,15 EUR
American Express	375390XXXXX1005	BCD	22.03.2015	-38,09 EUR
American Express	375390XXXXX1005	BCD	22.03.2015	-12,14 EUR
American Express	375390XXXXX1005	BCD	22.03.2015	-1,79 EUR
American Express	375390XXXXX1005	Leverancier	16.03.2015	-1.626,77 EUR
American Express	375390XXXXX1005	BCD	22.03.2015	-2,21 EUR
American Express	375390XXXXX1005	BCD	22.03.2015	-38,09 EUR
American Express	375390XXXXX1005	Leverancier	16.03.2015	-40,00 EUR
American Express	375390XXXXX1005	BCD	22.03.2015	-16,09 EUR
American Express	375390XXXXX1005	BCD	22.03.2015	-18,15 EUR
American Express	375390XXXXX1005	BCD	22.03.2015	-1,90 EUR
American Express	375390XXXXX1005	Leverancier	18.03.2015	-1.597,43 EUR
American Express	375390XXXXX1005	BCD	22.03.2015	-2,21 EUR
American Express	375390XXXXX1005	BCD	22.03.2015	-38,09 EUR
American Express	375390XXXXX1005	Leverancier	18.03.2015	-70,00 EUR

Best Western PLUS

Room: 205 A
WINTERWERP, JOHAN

SINT SEBASTIACUSBING
2611 DN DECFT NETHERLANDS
2611

Payment: AMERICAN EXPRESS
1A, 0K, 0B Guest
RA
April 21, 2015
April 23, 2015
1503DC

BWR Tier: BASE
BWR Number: 6006636815780673

Date	Trans	Room	Comment	Debit	Credit	Balance
Apr21'15	ROOM	205		200.00		200.00
Apr21'15	TAX	205		29.52		229.52
Apr21'15	BED TAX	205		3.50		233.02
Apr22'15	ROOM	205		200.00		433.02
Apr22'15	TAX	205		29.52		462.54
Apr22'15	BED TAX	205		3.50		466.04
Apr23'15	AMERICAN EXPRESS	205			466.04 CR	0.00
	XXXXXXXXXX4002/Inv#45441/Auth:533384 J C WINTERWERP					

Balance due at checkout 0.00

Guest Signature
X

BEST WESTERN PLUS Seaport Inn
33 Peck Slip New York NY 10038
Ph: (212) 766-6600 * Fax: (212) 766-6615 * www.seaportinn.com
Each Best Western® branded hotel is independently owned and operated

Deltares

Berekening met UNDP tarievenlijst

Naam: J.C. Winterwerp

Personeelsnr: 19645

Projectnummer: 1E+06

Datum vertrek: 21-04-15

Datum aankomst: 24-04-15

1	Maand	April			
2	van / tot en met	21 t/m 24			
3	aantal nachten	3	0	0	0
				Totaal aantal nachten	3

4	Land	USA			
5	Plaats	New York			
6	Valuta	USD	EUR	EUR	EUR
7	Totaal UNDP	378			
8	% UNDP Hotel	66%	0%	0%	0%
9	UNDP hotel max. per dag	249.48	0	0	0
10	UNDP overige per dag	128.52	0	0	0
11	Koers 1ste van de maand	0.93205	1.00000	1.00000	1.00000

12	UNDP hotel max. totaal (=3x9)	748.44	0	0	0
13	UNDP overige totaal (=3x10	385.56	0	0	0

14	UNDP hotel max. totaal in Euro (=11x12)	697.59	**0.00**	**0.00**	**0.00**
15	UNDP overige totaal in Euro (=11x13)	359.36	**0.00**	**0.00**	**0.00**

Totaal UNDP hotel max. gehele reis (komt automatisch op voorblad declaratie) € 697.59

Totaal UNDP overige gehele reis (komt automatisch op voorblad declaratie) € 359.36

Long Island Rail Road

Station # 9012 PennStation

Sold Tickets	Amount
O/W Off Peak	$7.25
Total Amount	$7.25
Payment! Cash	$7.25

Long Island Rail Road...
going your way

TSM ID #	1290
Transaction #	450820
Card #	
Date / Time	04/23/15 13:59

Long Island Rail Road

Station # 9114 Jamaica

Sold Tickets	Amount
O/W Off Peak	$7.25
Total Amount	$7.25
Payment! Cash	$7.25

Long Island Rail Road...
going your way

TSM ID #	11490
Transaction #	366698
Card #	
Date / Time	04/21/15 20:01

MVM RECEIPT

PANYNJ AIRTRAIN
JFK03 JAMAICA CENTER-1
NEW YORK CITY NY

MVM #: 8013(JFK03 0700)

Thurs 23 April 15 14:28

Trans: Sale OK
Payment Mode: Cash

Amount:	$ 5.00
Card Value:	$ 5.00
New Card Fee:	$ 1.00
Total Paid:	$ 6.00
Change Due:	$ 4.00

Serial #:2644223897
Type: 093
AIRTRAIN FULL FARE

Questions?
Call (212) METROCARD

MVM RECEIPT

MTA NYC TRANSIT
FULTON ST
NEW YORK CITY NY

MVM #: 1110(N098 0300)

Thurs 23 April 15 08:19

Trans: Sale OK
Payment Mode: Cash

Amount:	$ 3.00
Card Value:	$ 3.00
Total Paid:	$ 3.00
Change Due:	$ 2.00

Type: 087
SingleRide

Questions?
Call (212) METROCARD

MVM RECEIPT

MTA NYC TRANSIT
34TH STREET-PENN STATION
NEW YORK CITY NY

MVM #: 0650(R138 0400)

Tues 21 April 15 20:28

Trans: Sale OK
Payment Mode: Cash

Amount:	$ 9.00
Bonus:	$ 0.99
Card Value:	$ 9.99
New Card Fee:	$ 1.00
Total Paid:	$ 10.00
Change Due:	$ 0.00

Serial #:2660571591
Type: 000
FULL FARE

Questions?
Call (212) METROCARD

MVM RECEIPT

PANYNJ AIRTRAIN
JFK04 JAMAICA CENTER-2
NEW YORK CITY NY

MVM #: 8030(JFK04 0602)

Tues 21 April 15 19:56

Trans: Sale OK
Payment Mode: Cash

Amount:	$ 5.00
Card Value:	$ 5.00
New Card Fee:	$ 1.00
Total Paid:	$ 6.00
Change Due:	$ 4.00

Serial #:2654283160
Type: 093
AIRTRAIN FULL FARE

Questions?
2) METROCARD

total $39,50

Deltares

Enabling Delta Life

Moffatt & Nichol
Attn. Dr R. Cañizares
529 Fifth Avenue, 14th Floor
NEW YORK, NY 10017
UNITED STATES

APPROVED FOR PAYMENT
MOFFATT & NICHOL
BY RC DATE 11/20/2015
JOB# 6664-04 XX

Date	Our reference	Number of pages
12 November 2015	1002308-000-ZKS-0097	2
From	**Direct line**	**E-mail**
Arno Nolte	+31 (0)15 28 58 430	arno.nolte@deltares.nl

Subject
Deltares support - September - October 2015 invoicing

Dear Dr Cañizares,

With reference to the sub-contractor agreement between Moffatt & Nichol and Deltares for the Lower Passaic River restoration project (your project reference 6664), please find below our invoice for Deltares support for the months September and October 2015.

Invoicing is done per authorized activity. The 2015 rate for Mr Nolte is US$ 206. The total for this invoice is US$ 618.00.

The work undertaken per activity is as detailed in the table below:

Contribution to Newark Bay Task 3 – System Understanding: • Administrative tasks (i.e. project management, support, invoicing – Nolte)
Contribution to Newark Bay Task 5 – Sediment Transport Modeling *No work undertaken in this period*
Contribution to Newark Bay Task 6 – NB HD and ST model development and Calibration report *No work undertaken in this period*

Activity	Name	week	hours	hourly rate	Costs per activity	status
Contribution to Newark Bay Task 3 -	Nolte	36	1.0	$206	$206.00	
System Understanding	Nolte	40	2.0	$206	$412.00	
			3.0	*Subtotal*	*$618.00*	
Contribution to Newark Bay Task 5 - Sediment Transport modeling						
			0.0	*Subtotal*	*$0.00*	
Contribution to Newark Bay Task 6 - NB HD and ST model development and					$0.00	
			0.0	*Subtotal*	*$0.00*	
Grand total			3.0		$618.00	

Yours sincerely,

F.M.J. Hoozemans
Director Marine and Coastal Systems

Invoice

Deltares
Enabling Delta Life

Moffatt & Nichol
Attn. Accounts Payable
104 West 40th Street 14th Floor
NEW YORK NY 10018
UNITED STATES

Stichting Deltares
P.O. Box 177
2600 MH DELFT
Boussinesqweg 1
2629 HV DELFT
The Netherlands
Tel.:+31 88 335 82 73
Fax :+31 88 335 85 82
info@deltares.nl
www.deltares.nl

Invoice date	Invoice number	Our reference	Client number
13-11-2015	192385725	1002308.014	101419

Project Leader
Nolte, A.J.

Client VAT number

Project name: **US, Passaic invoices USD**

Description	Quantity	Price	Amount
Project: Lower Passaic River/Newark Bay Modelling.			
Deltares support September and October 2015			618,00
	Invoice amount	**USD**	**618,00**

Please make our invoice payable to our bankaccount before 13-01-2016
Please mention the invoice number, reference and client number.

VAT specification:

VAT rate	Amount	VAT
OUTSIDE EU 0%	618.00	0.00

Deltares

Enabling Delta Life

Moffatt & Nichol
Attn. Dr R. Cañizares
529 Fifth Avenue, 14th Floor
NEW YORK, NY 10017
UNITED STATES

APPROVED FOR PAYMENT
MOFFATT & NICHOL
BY RC DATE 11/20/2015
JOB# 6664-04-XX

Date	Our reference	Number of pages
12 November 2015	1002308-000-ZKS-0096	2
From	**Direct line**	**E-mail**
Arno Nolte	+31 (0)15 28 58 430	arno.nolte@deltares.nl

Subject
Deltares secondment - Invoicing for September - October 2015

Dear Dr Cañizares,

With reference to the secondment agreement between Moffatt & Nichol and Deltares for the services of Mr Han Winterwerp, please find below our invoice for the months September and October 2015.

During this period, Mr Winterwerp has been requested by Moffatt & Nichol to contribute to the Lower Passaic River RI/FS study. No requests were received for other projects.

Invoicing is done per authorized activity. The rate for Mr Winterwerp is $249 per hour for 2015. The total for this invoice is US$ 4,731.00.

The work undertaken per activity is as detailed in the table below:

Contribution to Newark Bay Task 3 – System Understanding: • Newark Bay reporting • Communication and correspondence with Moffatt & Nichol
Contribution to Newark Bay Task 5 – Sediment Transport Modeling: *No work undertaken in this period*
Contribution to Newark Bay Task 6 – NB HD and ST model development and Calibration report: *No work undertaken in this period*

Deltares

Enabling Delta Life

Activity	Name	week	hours	hourly rate	Costs per activity	status
Contribution to Newark Bay Task 3 - System Understanding	Winterwerp	36	4.0	$249	$996.00	
	Winterwerp	39	15.0	$249	$3,735.00	
			19.0	*Subtotal*	*$4,731.00*	
Contribution to Newark Bay Task 5 - Sediment Transport modeling					$0.00	
Material costs (ticket, hotel, DSA-UNDP)					$0.00	
			0.0	*Subtotal*	*$0.00*	
Contribution to Newark Bay Task 6 - NB HD and ST model development and Calibration report					$0.00	
			0.0	*Subtotal*	*$0.00*	
Grand total			19.0		$4,731.00	

Yours sincerely,

F.M.J. Hoozemans
Director Marine and Coastal Systems

Invoice

Deltares
Enabling Delta Life

Moffatt & Nichol
Attn. Accounts Payable
104 West 40th Street 14th Floor
NEW YORK NY 10018
UNITED STATES

Stichting Deltares
P.O. Box 177
2600 MH DELFT
Boussinesqweg 1
2629 HV DELFT
The Netherlands
Tel.:+31 88 335 82 73
Fax :+31 88 335 85 82
info@deltares.nl
www.deltares.nl

Invoice date	Invoice number	Our reference	Client number
13-11-2015	192385726	1002308.014	101419

Project Leader
Nolte, A.J.

Client VAT number

Project name: **US, Passaic invoices USD**

Description	Quantity	Price	Amount
Secondment Agreement Deltares.			
Invoice for the services conducted September and October 2015 by Mr. Winterwerp.			4.731,00
	Invoice amount	**USD**	**4.731,00**

Please make our invoice payable to our bankaccount before 13-01-2016
Please mention the invoice number, reference and client number.

VAT specification:

VAT rate	Amount	VAT